Ledtech LJ20X1-X1 2.0"5X7 DOT MATRIX DISPLAY

Features

* LOW CURRENT REQUIREMENTS
* EXCELLENT CHARACTER APPEARANCE
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

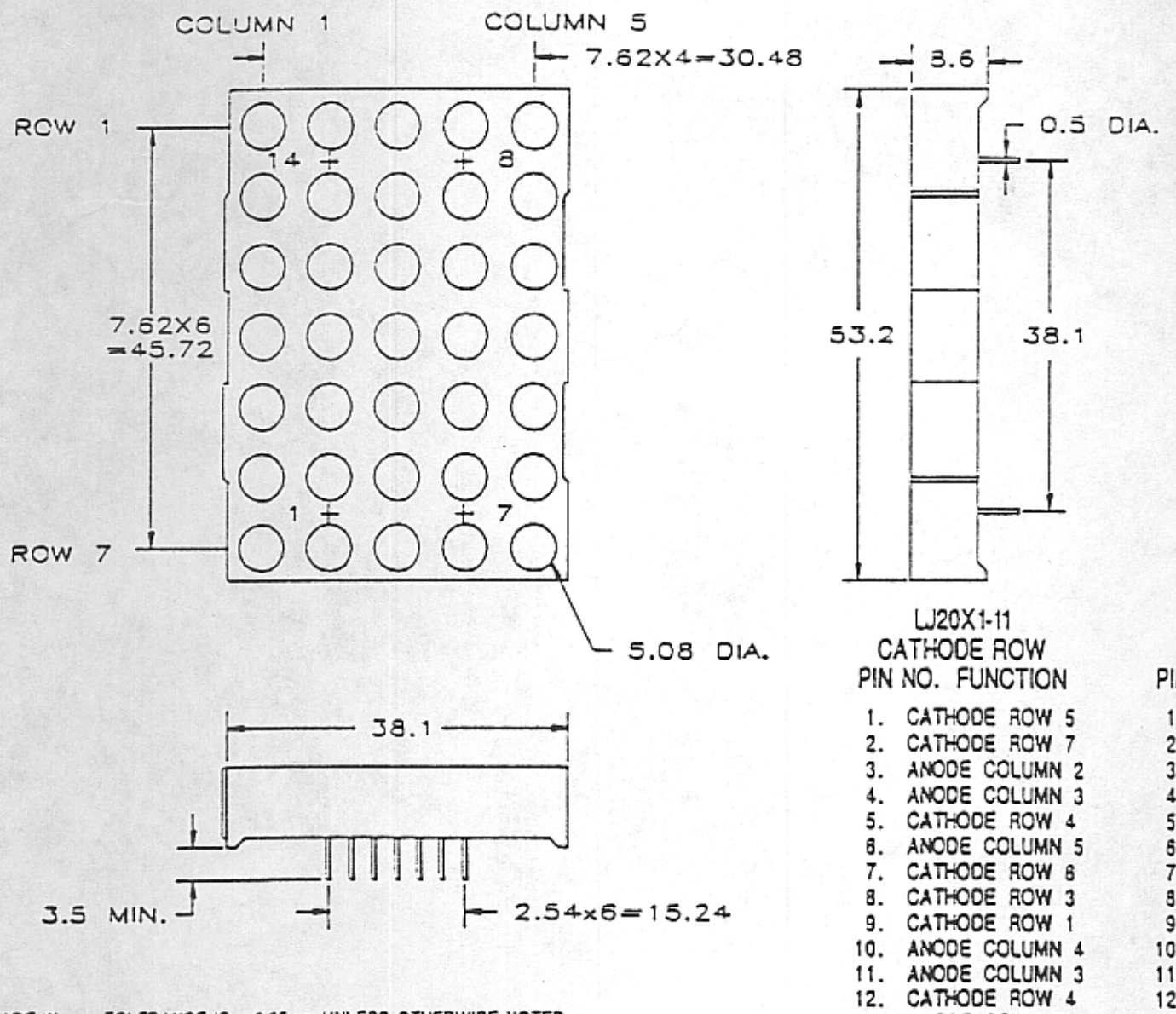
Absolute Maximum Ratings at T_A=25℃

REVERSE VOLTAGE PER LED CHIP	GaAsP RED 3.0 V,OTHER 5.0 V
D.C. FORWARD CURRENT PER LED CHIP	30mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH) PER LED CHIP	100mA
OPERATING TEMPERATURE RANGE	−25℃ TO +85℃
STORAGE TEMPERATURE RANGE	−25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE)	260℃ FOR 5 SEC.

Electrical/Optical Characteristics at T_A=25℃

PART NUMBER		LED CHIP		FACE COLOR		PEAK WAVELENGTH	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10mA(mcd)	
CATHODE ROW	ANODE ROW	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT	@20mA(nm)	TYP.	MAX.	MIN.	TYP.
————	————	GaAsP	RED	———	———	655	—	—	—	—
LJ2051-11EWRN	LJ2051-21EWRN	GaP	RED	GREY	WHITE	700	2.1	3.0	0.5	1.4
LJ2021-11EWRN	LJ2021-21EWRN	GaP	GREEN	GREY	WHITE	567	2.1	3.0	2.1	5.1
————	————	GaAsP ON GaP	YELLOW	———	———	585	—	—	—	—
LJ2041-11EWRN	LJ2041-21EWRN	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	2.3	5.9
LJ2041R-11RRRN	LJ2041R-21RRRN	GaAsP ON GaP	HI-EFF.RED	RED	RED	635	2.1	3.0	2.3	5.9

Package Dimensions And Pin Function



LJ20X1-11
CATHODE ROW
PIN NO. FUNCTION

1. CATHODE ROW 5
2. CATHODE ROW 7
3. ANODE COLUMN 2
4. ANODE COLUMN 3
5. CATHODE ROW 4
6. ANODE COLUMN 5
7. CATHODE ROW 6
8. CATHODE ROW 3
9. CATHODE ROW 1
10. ANODE COLUMN 4
11. ANODE COLUMN 3
12. CATHODE ROW 4
13. ANODE COLUMN 1
14. CATHODE ROW 2

LJ20X1-21
ANODE ROW
PIN NO. FUNCTION

1. ANODE ROW 5
2. ANODE ROW 7
3. CATHODE COLUMN 2
4. CATHODE COLUMN 3
5. ANODE ROW 4
6. CATHODE COLUMN 5
7. ANODE ROW 6
8. ANODE ROW 3
9. ANODE ROW 1
10. CATHODE COLUMN 4
11. CATHODE COLUMN 3
12. ANODE ROW 4
13. CATHODE COLUMN 1
14. ANODE ROW 2

1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE ±5.0° MAX.